

Z+Jet

The figure displays two panels related to the distribution of groomed p_{TD2} for CMS data and Pythia 8.308 models.

Top Panel: Shows the distribution of groomed p_{TD2} for CMS data (black squares) and four Pythia 8.308 models (blue, red, magenta, and purple lines with triangles). The x-axis is labeled "groomed p_{TD2} " and ranges from 0 to 1. The y-axis is labeled "1/N dN/dln(p_{TD2})" and ranges from 0 to 10000. The title is "Groomed (p_{TD2})² λ_0^2 (CMS jet substructure)".

Bottom Panel: Shows the ratio of the Pythia models to the CMS data. The x-axis is the same as the top panel. The y-axis is labeled "Ratio to CMS" and ranges from 0.5 to 2.0. The plot shows a green band representing the ratio range for the Pythia 8.308 default-CD model and a yellow band representing the ratio range for the Pythia 8.308 default-CD model. The title is "Ratio to CMS".

mcplots.cern.ch [arXiv:1306.3436]

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